

## ABSTRACT

The present relates to a method for transmission of variable sized packets from an upper layer of a stack of communication protocol layers to a lower layer intended to manage fixed sized packets. According to the invention, said method comprises the steps of:

forming a segmentation and reassembly layer intended to manage SAR packets, each SAR packet being made up of a header obtained in adding delineation information to the header of one of the variable sized packets of the upper layer and of a payload which contains the payload of the upper layer packet, and

segmenting the flow of the thus obtained SAR packets into fixed sized packets for transmitting to the lower layer.

The present invention also relates to a packet intended to be managed by a layer of a communication protocol stack between an upper layer supporting variable sized packets and a lower layer supporting fixed sized packets. It finally relates to a method for recovering a variable sized packet from a flow of such packets.

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